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MAR 22 2005 17:38

TOWNSEND & TOWNSEND  
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CENTRAL FAX CENTER 323 0098 P. 02/13

MAR 22 2005

Attorney Docket No.: 018826-004400US  
Client Ref. No.: D2318

PTO/SB01A (08-04)

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	CONDITIONAL ACCESS FOR FUNCTIONAL UNITS
As the below named inventor(s), I/we declare that:	
This declaration is directed to:	
<input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> Application No. <u>09/736,817</u> filed on <u>December 13, 2000</u>	
<input type="checkbox"/> as amended on _____ (if applicable);	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought:	
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;	
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.	
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.	

FULL NAME OF INVENTOR(S)	
Inventor one: <u>Reem Safadi</u>	Date: <u>3/18/05</u>
Signature: <u>Reem Safadi</u>	Citizen of: <u>United States</u>
Inventor two: <u>Larry Vince Lawrence Vince LDV</u>	Date: <u>3/21/05</u>
Signature: <u>[Signature]</u>	Citizen of: <u>United States</u>
Inventor three: <u>Douglas S. Makofka</u>	Date: <u>3/21/05</u>
Signature: <u>[Signature]</u>	Citizen of: <u>United States</u>
Inventor four: <u>John Oldmoto</u>	Date: _____
Signature: _____	Citizen of: <u>United States</u>
Inventor five: <u>Eric J. Sprunk</u>	Date: _____
Signature: _____	Citizen of: <u>United States</u>
<input type="checkbox"/> Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.	

60447591 v1

MAR 22 2005

Attorney Docket No.: 018926-004400US  
Client Ref. No.: D2318

PTO/SB/01A (09-04)

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	CONDITIONAL ACCESS FOR FUNCTIONAL UNITS
As the below named inventor(s), I/we declare that: This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> Application No. <u>09/738,617</u> filed on <u>December 13, 2000</u> <input type="checkbox"/> as amended on _____ (if applicable); I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought; I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.58, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application. All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.	
FULL NAME OF INVENTOR(S)	
Inventor one: <u>Reem Safadi</u>	Date: _____
Signature: _____	Citizen of: <u>United States</u>
Inventor two: <u>Larry Vince</u>	Date: _____
Signature: _____	Citizen of: <u>United States</u>
Inventor three: <u>Douglas S. Makofka</u>	Date: _____
Signature: _____	Citizen of: <u>United States</u>
Inventor four: <u>John Okimoto</u>	Date: <u>March 21, 2005</u>
Signature: <u>[Signature]</u>	Citizen of: <u>United States</u>
Inventor five: <u>Eric J. Sprunk</u>	Date: <u>21 March 2005</u>
Signature: <u>[Signature]</u>	Citizen of: <u>United States</u>
<input type="checkbox"/> Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto.	

60447591 v1

MAR. 22. 2005 4:12PM

TOWNSEND & TOWNSEND

NO. 3755—P. 22



APR 2 2001

0189 6-00440005  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

TD Franklin



\*101582417A\*

MARCH 26, 2001

PTAS  
TOWNSEND AND TOWNSEND AND CREW LLP  
THOMAS D. FRANKLIN  
TWO EMBARCADERO CENTER, 8TH FLOOR  
SAN FRANCISCO, CA 94111-3834

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/2000

REEL/FRAME: 011417/0463  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MAKOFKA, DOUGLAS S.

DOC DATE: 12/01/2000

ASSIGNOR:

OKIMOTO, JOHN

DOC DATE: 12/07/2000

ASSIGNEE:

GENERAL INSTRUMENT CORPORATION  
101 TOURNAMENT DRIVE  
HORSHAM, PENNSYLVANIA 19044

SERIAL NUMBER: 09736617  
PATENT NUMBER:

FILING DATE: 12/13/2000  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

TOWNSEND & TOWNSEND  
& CREW  
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01 MAR 30 AM 10:51

Attorney Docket No. 18926-004400  
Client Reference No. D2318

01-16-2001

FORM PTO-1595 (Rev. 6-93) <u>12/13/00</u>		U.S. Department of Commerce Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents		101582417 Documents or copy thereof	
1. Name of conveying party(ies): Douglas S. Makofka, John Okimoto Additional name(s) of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.		2. Name and address of receiving party(ies) Name: General Instrument Corporation Internal Address: Street Address: 101 Tournament Drive City: Horsham State: PA ZIP: 19044 Additional names and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Dates: 12/1/00; 12/7/00		4. Application Number(s) or Patent Numbers. If this document is being filed together with a new application, the execution date of the application is: 12/1/00; 12/07/00 A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Thomas D. Franklin TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8 <sup>th</sup> Floor San Francisco, CA 94111-3834 Phone: (303) 571-4000		6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Fees to Deposit Account <input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 8 Deposit account number: 20-1430	
DO NOT USE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document. Thomas D. Franklin Name of Person Signing Atty Reg. No. 43,616 Signature Date 12/13/00 Total number of pages including cover sheet, attachments and document 2			
10. Change Correspondence Address to that of Part 5? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
OMB No. 0651-0011 (exp. 4/94)			
Mail documents to be recorded with required cover to: Do not detach this portion Asst. Commissioner for Patents Box: Assignments Washington, D.C. 20231 DE 7029118 v1			

Attorney Docket No.: 18926-004400US  
Client Reference No.: D2318

**ASSIGNMENT OF PATENT APPLICATION****JOINT**

WHEREAS, Douglas S. Makofka, of 516 Fairhill Street, Willow Grove, PA 19090, John Okimoto, of 14139 Via Corsini, San Diego, CA 92128, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **CONDITIONAL ACCESS FOR FUNCTIONAL UNITS**  
Filing Date: **Herewith**  
Application No.: \_\_\_\_\_; and

WHEREAS, GENERAL INSTRUMENT CORPORATION, a corporation of the state of DE, located at 101 Tournament Drive, Horsham, PA, 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

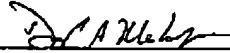
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.


Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 12/01/04

  
Douglas S. Makofka

Dated: DEC 7, 2000

  
John Okimoto

DE 7025327 v1

Attorney Docket No.: 018926-004400US  
Client Reference No.: D2318

## ASSIGNMENT OF PATENT APPLICATION

JOINT

*LAWRENCE D.*  
WHEREAS, Reem Safadi of 429 Brown Briar Circle, Horsham, PA 19044;  
Larry Vince of 114 A. Leon Dr Lansdale, PA 17416;  
Douglas S. Makofka of 516 Fairhill Street, Willow Grove, PA 19090; John Okimoto of 14139 Via Corsini, San  
Diego, CA 92128 and Eric J. Sprunk of 7309 Bolero Street, Carlsbad, CA 92009, hereinafter referred to as  
"Assignors," are the inventors of the invention described and set forth in the below-identified application for United  
States Letters Patent:

Title of Invention: CONDITIONAL ACCESS FOR FUNCTIONAL UNITS

Date(s) of execution of Declaration: 03-18-05; 03-21-05; 03-21-05; 03-21-05; 03-21-05

Filing Date: December 13, 2000

Application No.: 09/736,617; and

WHEREAS, General Instrument Corporation, a corporation of the state of Delaware, located at  
Motorola, Inc., Broadband Communications Sector, 101 Tournament Drive, Horsham, PA 19044, hereinafter  
referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S.  
Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors,  
Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the  
invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and  
in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and  
all countries throughout the world, and to claim the priority from the application as provided by the Paris  
Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and  
assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been  
made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division,  
renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a)  
cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and  
any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent  
applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain  
or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest  
title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 3/18/05

*Reem Safadi*  
Reem Safadi

Dated: 3/21/05

*Larry Vince*  
Larry Vince  
*Lawrence D.*  
*LAW*

MAR. 22. 2005 4:14PM  
MAR-21-2005 11:40

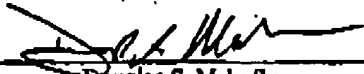
TOWNSEND & TOWNSEND  
PATENT ATTORNEYS

NO. 3755 P. 26  
215 323 0098 P.11/13

Assignment  
Attorney Docket No.: 018926-004400US  
Page 2

Dated:

3/21/05

  
Douglas S. Makoffka

Dated:

John Okimoto

Dated:

Eric J. Sprunk

60447742 v1

Page 2 of 2

Attorney Docket No.: 018926-004400US

Client Reference No.: D2318

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Reem Safadi of 429 Brown Briar Circle, Horsham, PA 19044;

Larry Vince of \_\_\_\_\_ Landsdale, PA \_\_\_\_\_;  
Douglas S. Makofka of 516 Faithhill Street, Willow Grove, PA 19090; John Okimoto of 14139 Via Corsini, San  
Diego, CA 92128 and Eric J. Sprunk of 7309 Bolero Street, Carlsbad, CA 92009, hereinafter referred to as  
"Assignors," are the inventors of the invention described and set forth in the below-identified application for United  
States Letters Patent:

Title of Invention: CONDITIONAL ACCESS FOR FUNCTIONAL UNITS

Date(s) of execution of Declaration: 03-18-05; 03-21-05; 03-21-05; 03-21-05; 03-21-05

Filing Date: December 13, 2000

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referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S.  
Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors,  
Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the  
invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and  
in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and  
all countries throughout the world, and to claim the priority from the application as provided by the Paris  
Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and  
assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been  
made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division,  
renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a)  
cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and  
any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent  
applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain  
or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest  
title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

Reem Safadi

Dated: \_\_\_\_\_

Larry Vince



## Assignment

Attorney Docket No.: 018926-004400US

Page 2


Dated: \_\_\_\_\_

Dated: March 21, 2005Dated: 21 March 2005

Douglas S. Makofka



John Okamoto



Eric J. Sprunk

60447742 v1

PTO/SB/86 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Douglas S. Makofka et al.Application No./Patent No.: 09/736,617 Filed/Issue Date: December 13, 2000Entitled: CONDITIONAL ACCESS FOR FUNCTIONAL UNITSGENERAL INSTRUMENT CORPORATION, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8)

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

12/21/00  
Date

Paul Bawel  
Signature

Paul Bawel

Typed or printed name

Senior IP Counsel, Manager of IP  
Prosecution

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7029171 v1